

SEQUENCE LISTING

<110> Sheen, Jen

<120> Calcium Dependent Protein Kinase
Polypeptides as Regulators of Plant Disease Resistance

<130> 00786/389002

<150> US 60/201,925

<151> 2000-05-05

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<212> PRT

<213> *Arabidopsis thaliana*

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Ser Ala Asn Tyr Ala Cys Lys Ser Ile Pro Lys Arg Lys Leu Val Cys
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Arg Glu Asp Tyr Glu Asp Val Trp Arg Glu Ile Gln Ile Met His His
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Leu Ser Glu His Pro Asn Val Val Arg Ile Lys Gly Thr Tyr Glu Asp
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Ser Val Phe Val His Ile Val Met Glu Val Cys Glu Gly Glu Leu
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Phe Asp Arg Ile Val Ser Lys Gly His Phe Ser Glu Arg Glu Ala Val
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Lys Leu Ile Lys Thr Ile Leu Gly Val Val Glu Ala Cys His Ser Leu
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Gly Val Met His Arg Asp Leu Lys Pro Glu Asn Phe Leu Phe Asp Ser
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Pro Lys Asp Asp Ala Lys Leu Lys Ala Thr Asp Phe Gly Leu Ser Val
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Phe Tyr Lys Pro Gly Gln Tyr Leu Tyr Asp Val Val Gly Ser Pro Tyr
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Tyr Val Ala Pro Glu Val Leu Lys Cys Tyr Gly Pro Glu Ile Asp
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Val Trp Ser Ala Gly Val Ile Leu Tyr Ile Leu Leu Ser Gly Val Pro
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Pro Phe Trp Ala Glu Thr Glu Ser Gly Ile Phe Arg Gln Ile Leu Gln
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Gly Lys Leu Asp Phe Lys Ser Asp Pro Trp Pro Thr Ile Ser Glu Ala
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 Ala Lys Asp Leu Ile Tyr Lys Met Leu Glu Arg Ser Pro Lys Lys Arg
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 Ile Ser Ala His Glu Ala Leu Cys His Pro Trp Ile Val Asp Glu Gln
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 Lys Ser Leu Met Asp Ala Ala Asp Ile Asp Asn Ser Gly Thr Ile Asp
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Glu Thr Pro Arg Leu Arg Asp His Tyr Leu Leu Gly Lys Lys Leu Gly
20 25 30
Gln Gly Gln Phe Gly Thr Thr Tyr Leu Cys Thr Glu Lys Ser Ser Ser
35 40 45
Ala Asn Tyr Ala Cys Lys Ser Ile Pro Lys Arg Lys Leu Val Cys Arg
50 55 60
Glu Asp Tyr Glu Asp Val Trp Arg Glu Ile Gln Ile Met His His Leu
65 70 75 80
Ser Glu His Pro Asn Val Val Arg Ile Lys Gly Thr Tyr Glu Asp Ser
85 90 95
Val Phe Val His Ile Val Met Glu Val Cys Glu Gly Glu Leu Phe
100 105 110
Asp Arg Ile Val Ser Lys Gly Cys Phe Ser Glu Arg Glu Ala Ala Lys
115 120 125
Leu Ile Lys Thr Ile Leu Gly Val Val Glu Ala Cys His Ser Leu Gly
130 135 140
Val Met His Arg Asp Leu Lys Pro Glu Asn Phe Leu Phe Asp Ser Pro
145 150 155 160
Ser Asp Asp Ala Lys Leu Lys Ala Thr Asp Phe Gly Leu Ser Val Phe
165 170 175
Tyr Lys Pro Gly Gln Tyr Leu Tyr Asp Val Val Gly Ser Pro Tyr Tyr
180 185 190
Val Ala Pro Glu Val Leu Lys Lys Cys Tyr Gly Pro Glu Ile Asp Val
195 200 205
Trp Ser Ala Gly Val Ile Leu Tyr Ile Leu Leu Ser Gly Val Pro Pro
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Phe Trp Ala Glu Thr Glu Ser Gly Ile Phe Arg Gln Ile Leu Gln Gly
225 230 235 240
Lys Ile Asp Phe Lys Ser Asp Pro Trp Pro Thr Ile Ser Glu Gly Ala

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275	280	285
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Phe Ser Gln Met Asn Lys Ile Lys Lys Met Ala Leu Arg Val Ile Ala		
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Glu Arg Leu Ser Glu Glu Glu Ile Gly Gly Leu Lys Glu Leu Phe Lys		
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